

General Updates for December 2023 Campaign

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Refining the Default Input Datasets List

We ask each PWG to provide us with a brief email summarizing the **essential set of MC event generators and settings** needed for studies by **December 12, 2023**.

Please ensure to **include information on versions and any potential extensions (github repo)**. We will follow up with guidance on how to consolidate this information into a shared repository.

Responses received so far for:

- Pythia 6 SIDIS (<https://gitlab.com/eic/mceg/PYTHIA-RAD-CORR>)
- Exclusive DEMP (<https://github.com/JeffersonLab/DEMPgen>)
- Exclusive DVMP (<https://github.com/haojiangeic/DVMPdataset>)

Github repos under different organizational ownership. Do we need to transfer them to under eic github group?

For now, told each contributor to use their own version scheme. Do we need any standardization?

Update on Alliance Canada Integration

Setup on the factory and Cedar-CE now.

Limited to 1 glidein. Pending testing.

[Ticket](#)

Campaign Update (23.12.0)

OWNER	BATCH_NAME	SUBMITTED	DONE	RUN	IDLE	HOLD	TOTAL	JOB_IDS
rahmans	23.12.0/epic_craterlake/DIS_NC_18x275_minQ2=1-2023-	12/12 14:59	12417	1	-	2	12420	512.6847-12203
rahmans	23.12.0/epic_craterlake/DIS_NC_18x275_minQ2=10-2023	12/12 20:25	12480	31	-	1007	13518	513.1356-13396
rahmans	23.12.0/epic_craterlake/DIS_NC_18x275_minQ2=100-202	12/12 20:26	11174	75	-	1147	15960	514.34-12394
rahmans	23.12.0/epic_craterlake/DIS_NC_18x275_minQ2=1000-20	12/12 20:27	5076	1868	502	498	19356	515.8-7943
rahmans	23.12.0/epic_craterlake/Sartre_Coherent-2023-12-12T	12/12 21:05	1995	207	999	1	13690	516.1015-3201
rahmans	23.12.0/epic_craterlake/Sartre_Coherent_q2_15-2023-	12/12 21:07	1996	4	1000	-	11576	517.486-2999
rahmans	23.12.0/epic_craterlake/DIS_NC_5x41_minQ2=1-2023-12	12/13 12:51	-	-	1000	-	3564	518.0-999
rahmans	23.12.0/epic_craterlake/DIS_NC_5x41_minQ2=10-2023-1	12/13 12:52	-	-	1000	-	3336	519.0-999
rahmans	23.12.0/epic_craterlake/DIS_NC_5x41_minQ2=100-2023-	12/13 13:02	-	-	1000	-	3930	520.0-999

Error type 1: Too many open files

```
Error in <TInterpreter::TCling::AutoLoad>: failure loading library libCore.so for gErrorIgnoreLevel
Error in <TInterpreter::TCling::AutoLoad>: failure loading library libCore.so for gErrorIgnoreLevel
Error in <TInterpreter::TCling::AutoLoad>: failure loading library libCore.so for gErrorIgnoreLevel
input_line_66:1:10: fatal error: cannot open file
'/opt/software/linux-debian12-x86_64_v2/gcc-12.2.0/dd4hep-1.27-iwxsnftddhocjihlyxzooranqwk5adw/lib/libDDG4Plugins.so.1.27': Too many open
files
#include "/opt/software/linux-debian12-x86_64_v2/gcc-12.2.0/dd4hep-1.27-iwxsnftddhocjihlyxzooranqwk5adw/lib/libDDG4Plugins.so.1.27"
```

```
DDG4      ERROR +-----+
DDG4      ERROR | Failed to load DDG4 library:                               |
DDG4      ERROR | DDG4.py: Failed to load the DDG4 library libDDG4Plugins: No such file or directory |
DDG4      ERROR +-----+
```

```
[2023-12-14 00:43:06.734] [prmon] [warning] Child process 39716 had non-zero return value: 1
```

```
/opt/campaigns/hepmc3/scripts/run.sh: Error on line 180: prmon --filename ${LOG_TEMP}/${TASKNAME}.npsim.prmon.txt --json-summary
${LOG_TEMP}/${TASKNAME}.npsim.prmon.json -- npsim --runType batch --random.seed ${SEED:-1} --random.enableEventSeed --printLevel
WARNING --skipNEvents ${SKIP_N_EVENTS} --numberOfEvents ${EVENTS_PER_TASK} --part.minimalKineticEnergy 1*TeV --filter.tracker 'edep0'
--hepmc3.useHepMC3 ${USEHEPMC3:-true} --compactFile
${DETECTOR_PATH}/${DETECTOR_CONFIG}/${EBEAM:+_${EBEAM}x${PBEAM}}.xml --inputFiles ${INPUT_FILE} --outputFile
${FULL_TEMP}/${TASKNAME}.edm4hep.root
/opt/campaigns/hepmc3/scripts/run.sh: Error on line 197: tail -n1000
/srv//run.sh: Error on line 44: ${CAMPAIGNS:-/opt/campaigns/${TYPE}}/scripts/run.sh ${INPUT_FILE} ${EVENTS_PER_TASK} ${TASK}
```

Error type 2: Too many open files

Traceback (most recent call last):

```
File "/opt/software/linux-debian12-x86_64_v2/gcc-12.2.0/npsim-1.3.0-kgh6ouhfmnfflls63qhwxdqvig5b5m4c/bin/npsim.py", line 66, in <module>
    SIM.run()
File "/usr/local/lib/python3.10/site-packages/DDSim/DD4hepSimulation.py", line 296, in run
    import DDG4
File "/opt/software/linux-debian12-x86_64_v2/gcc-12.2.0/root-6.28.06-ecf5saml3eaqwbrd7hftdllxn4qucw4h/lib/root/ROOT/_facade.py", line 154, in
importhook
File "/usr/local/lib/python3.10/site-packages/DDG4.py", line 14, in <module>
    import ddsix as six
File "/opt/software/linux-debian12-x86_64_v2/gcc-12.2.0/root-6.28.06-ecf5saml3eaqwbrd7hftdllxn4qucw4h/lib/root/ROOT/_facade.py", line 154, in
importhook
    return _orig_ihook(name, *args, **kwds)
File "<frozen importlib._bootstrap>", line 1027, in _find_and_load
File "<frozen importlib._bootstrap>", line 1006, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 688, in _load_unlocked
File "<frozen importlib._bootstrap_external>", line 879, in exec_module
File "<frozen importlib._bootstrap_external>", line 1016, in get_code
File "<frozen importlib._bootstrap_external>", line 1073, in get_data
OSError: [Errno 24] Too many open files: '/usr/local/lib/python3.10/site-packages/ddsix.py'
[2023-12-14 00:43:15.391] [prmon] [warning] Child process 43786 had non-zero return value: 1
```

```
/opt/campaigns/hepmc3/scripts/run.sh: Error on line 180: prmon --filename ${LOG_TEMP}/${TASKNAME}.npsim.prmon.txt --json-summary
${LOG_TEMP}/${TASKNAME}.npsim.prmon.json -- npsim --runType batch --random.seed ${SEED:-1} --random.enableEventSeed --printLevel WARNING
--skipNEvents ${SKIP_N_EVENTS} --numberOfEvents ${EVENTS_PER_TASK} --part.minimalKineticEnergy 1*TeV --filter.tracker 'edep0'
--hepmc3.useHepMC3 ${USEHEPMC3:-true} --compactFile
${DETECTOR_PATH}/${DETECTOR_CONFIG}${EBEAM:+_${EBEAM}x${PBEAM}}.xml --inputFiles ${INPUT_FILE} --outputFile
${FULL_TEMP}/${TASKNAME}.edm4hep.root
/opt/campaigns/hepmc3/scripts/run.sh: Error on line 197: tail -n1000
/srv//run.sh: Error on line 44: ${CAMPAIGNS:-/opt/campaigns/${TYPE}}/scripts/run.sh ${INPUT_FILE} ${EVENTS_PER_TASK} ${TASK}
```